

**METHOD AND APPARATUS FOR INTERCONNECTING
WIRELESS AND WIRELINE NETWORKS**

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus for interconnecting a wireless network and a
wireline network include the division of processing functions between a main
processor and a plurality of micro-engines. In accordance with an embodiment
of the present invention, respective micro-engines perform the data flow
processing of data packets for each of the stages of an interconnection pipeline
10 process and a global main processor performs the control processing of data
packets for the interconnection pipeline process.